

ERISTAVI, K.D.; ODISHVILI, G.Ya.; KANDELAKI, D.I.; PAGAVA, G.D.

Homoplastics of the abdominal aorta in an experiment. Trudy
Inst.eksp.i klin.khir.i gemat. AN Gruz.SSR 10:87-107 '62.
(MIRA 16:2)
(SURGERY, PLASTIC) (ABDOMINAL AORTA--SURGERY)

ERISTAVI, K.D.; ODISHVILI, G.Ya.; KANDOLAKI, D.I.

Homoplasty of the thoracic aorta. Trudy Inst. eksp. i klin.
khir. i gemat. AN Gruz. SSR 11:3-14 '63. (MIRA 17.8)

ERESTAVI, K.G.; ZHVANIYA, T.G.

Five years' experience in the use of radioactive iodine in
treating thyrotoxicosis. Trudy Inst. eksp. i klin. khim. i
gemat. AN Gruz. SSR 11:81-86 '63. (MIRA 17:8)

ERISTAVI, K.D., akademik; GACHECHILADZE, M.G.; GONASHVILI, Sh.G;
MACHABELI, M.S.

Fibrinolytic effect of the enzyme ficin from the sap of the fig tree. Soob. AN Gruz. SSR 30 no.5:667-670 My '63. (MIRA 16:11)

1. Institut eksperimental'noy i klinicheskoy khirurgii i gematologii AN GruzSSR. 2. Akademiya nauk Gruzinskoy SSR (for Eristavi).

ERISTAVI, K.D., akademik; DZHIMSHERASHVILI, P.I.; PAGAVA, G.D.

Some current problems of perfusion in an artificial blood
circulation. Soob. AN Gruz. SSR 31 no. 3:727-728 S '63.
(MIRA 17:7)

1. Akademiya nauk GruzSSR (for Eristavi).

GRISTAVI, K.D., akademik; BARDYCHEV, E.S.

Determination of the amount of blood shunt in dogs with a model
of an open arterial flow by the oxymetric study of blood.
Sob. AN Gruz.SSR 32 no.3:669-672 D 163.

(NIR. 17:11)

1. Institut eksperimental'noy i klinicheskoy khirurgii i gematologii
AN GruzSSR.

ERISTAVI, K. D.; SHARASHIDZE, L. K.; BULUSASHVILI, R. V.

"Cytochemical evidence of affection in central nervous system during different functional and pathological conditions of organism."

report submitted for 2nd Intl Cong, Histochemistry & Cytochemistry, Frankfurt, 16-21 Aug 64.

Tbilisi.

Inst Experimental & Clinical Surgery & Hematology, AMS USSR, Kamo 43.

ERISTAVI, L. I., Cand Pharmac Sci -- (diss) "Fruits of ^{the} Japanese cinnamon ^{tree} as raw material for obtaining hard fat, a substitute of cocoa butter ^{with ill} in medicine." Tbilisi, Gruzmedgiz, 1957. 24 pp (Tbilisi State Med Inst), 200 copies (KL, 52-57, 113)

- 140 -

USSR/Cultivated Plants - Medicinal. Essential Oils. Toxins.

M-8

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30100

Author : Eristavi, L.L.

Inst : Tbilis Medical Institute.

Title : Several Properties of the Japanese Cinnamon as Medicinal Raw Material.

Orig Pub : Tr. Tbililissk. med. in-ta, 1957, 11, 47-62

Abstract : A study was made of the Japanese cinnamon (*Cinnamomum pedunculatum* Presl), which grows on the Black Sea coast, as a possible raw material containing a substitute for the imported cocoa butter. Its heavy fat was complete suitable for the preparation of candles and balls according to the prescriptions of the Pharmacopeia of the USSR (8th). The butter and preparates from it are kept at a temperature not higher than 28°. Aside from the fat

Card 1/2

ERISTAVI L.I.

USSR/Cultivated Plants. Medicinal Plants. Essential Oil Plants.
Toxic Plants.

M

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34851

Author : Erstavi L.I.

Inst :

Title : Pharmaco-Botanical Study of the Fruit of the Japanese
Cinnamon (*Cinnamomum Pedunculatum* Presl.).

Orig Pub : Soobshch. AN GruzSSR, 1956, 17, No 10, 913-120

Abstract : The solid fat content of the fruit of the Japanese cinnamon (*Cinnamomum pedunculatum* Presl.) growing on the littoral of the Black Sea, on the basis of its physico-chemical properties, appears to be suitable as a substitute base material in replacing cacao butter imported into the Soviet Union. The fruit formation of the Japanese cinnamon, the determination of the location in plants of accumulations of essential and aliphatic oils, and the chemical nature of other matters contained in the fruits are described.

Card : 1/1

ERISTAVI, Mikhail Semenovich

DECEASED

1963/3

c' 1962

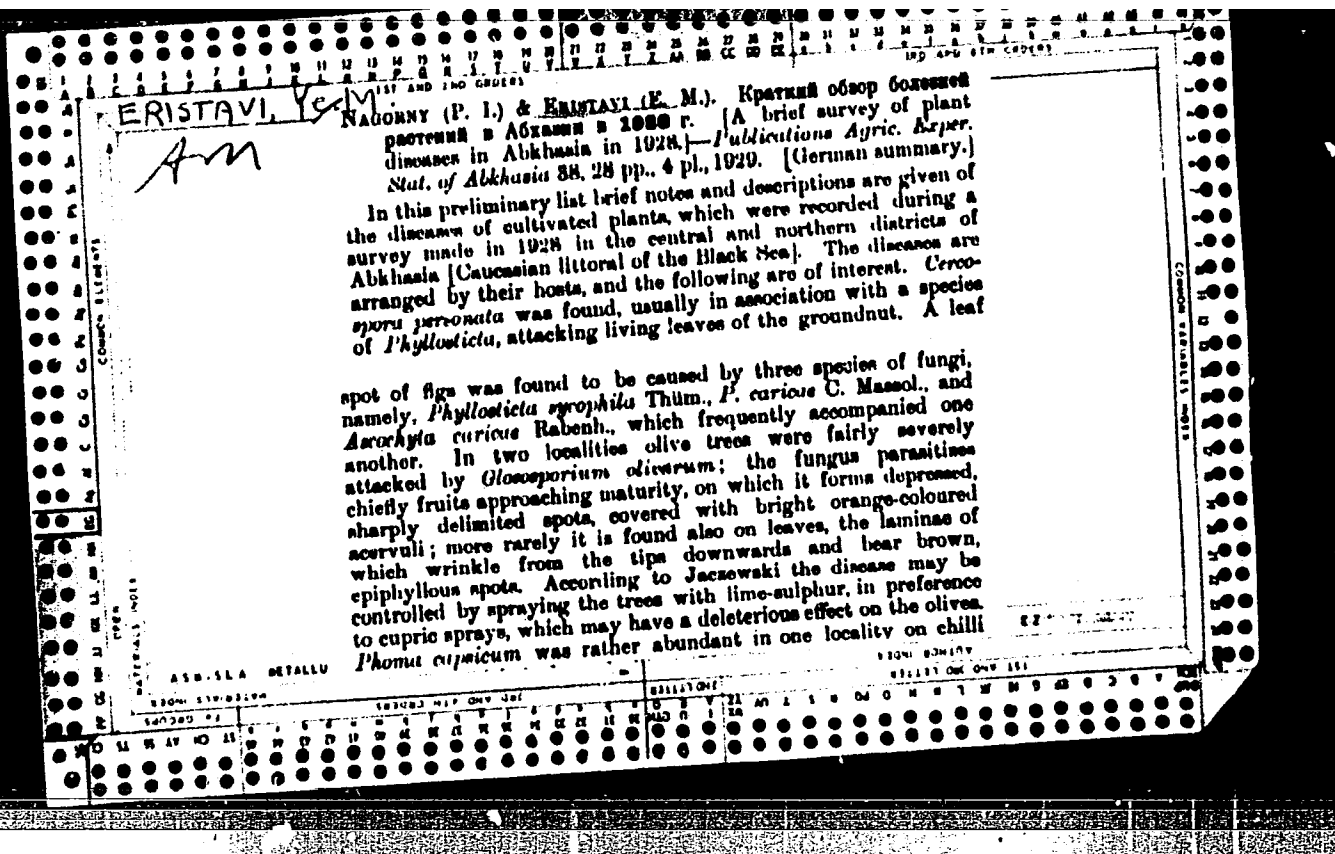
GEOLOGY

SEE ILC

ROYTBAK, A.; ERISTAVI, N.; Prinimala uchastiye KASHAKASHVILI, R.P.

Recruitment reaction in normal cats. Zhur. vys. nerv. deiat. 15
no.6:1014-1025 N-D '65. (MIRA 19:1)

1. Institut fiziologii AN GruzSSR, Tbilisi. Submitted June 16, 1965.



ERISTAVI, Y. M.

~~ERISTAVI, Y. M.~~

"Virus Diseases of Plants in Georgian SSR," in Virus Diseases of Plants and Measures for Their Control, Works of the Conference on Virus Diseases of Plants 1970, Publishing House of the Academy of Science USSR, Moscow, 1972, pp. 294-300. 464.32.808.

So: Siro 2190-³~~E~~, 15 Dec. 1953

ERISTAVI, Ye. M.

Eristavi, Ye. and Chanturiya, N. "Virus disease of the Georgian mulberry tree," Trudy
In-ta zashchity rasteniy, (Akad. nauk Gruz. SSR), Vol. V, 1948, p. 149-51. - Bibliog:
15 items

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

1. ERISTAVI, YE. M., ISARLISHVILI, S. YA
2. USSR (600)
7. "Results of Preliminary Experiments in Testing the Biological Method of Combatting Certain Causative Agents of Root Diseases", Trudy In-ta Zashchity Rasteniy AN Gruz. SSR (Works of the Institute of Plant Protection, Acad Sci Georgian SSR), Vol 7, 1950, pp 189-199.
9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132. Unclassified.

ERISTAVI, Ye.M.; TARGAMADZE, M.R.

Materials on the mycoflora of the Lagodekhi Preserve [in
Georgian with summary in Russian]. Trudy Inst. sashch.rast.
AN Grus. SSR 9:247-269 '53. (MIRA 8:2)
(Lagodekhi Preserve---Fungi)

~~ERISTAVI, Yashchik~~ TARGAMADZE, M.R.

Ring spot in vegetables and other plants in the Georgian S.S.R.
[in Georgian with summary in Russian]. Trudy Inst. zashch.rast.
AN Gruz. SER 9:271-288 '53. (MIRA 8:2)
(Georgia--Virus diseases of plants)

ERISTAVI, Z. A., CAND MED SCI, "PREGNANCY, LABOR, AND
POSTNATAL PERIOD IN RETRACTED OBSTETRICAL ANAMNESIS."
MOSCOW, 1960. (MIN OF HEALTH USSR, CENTRAL INST FOR ^{—L—}
ADVANCED TRAINING OF PHYSICIANS). (KL, 2-61, 221).

-299-

ERISTAVI, Z.K.

Measuring local erosion with different types of bridge supports.
Sob. AN Gruz. SSR 36 no.1:139-142 O '64.

(MIRA 18:3)

1. Institut gidrotekhniki i melioratsii, Tbilisi. Submitted June
26, 1964.

ERISTAVI, Z.A.

Labor in aggravated obstetric anamnesis. Nauch. rab. asp. i klin.
ord. no. 6:234-240 '60. (MIRA 14:12)

1. Kafedra akusherstva i ginekologii (zav. prof. F.A.Syrovatko)
TSentral'nogo instituta usovershenstvovaniya vrachey.
(LABOR, COMPLICATED)

NIKOBADZE, I.I.; TATISHVILI, Ir.Ya.; KURCHISHVILI, I.B.;
ZHGENTI, V.K., akademik, red.; ZURABASHVILI, A.D.,
akademik, red.; KAVTARADZE, P.P., akademik, red.;
TSULUKIDZE, A.P., akademik, red.; ERISTAVI K.D.,
akademik, red.; CHITAYA, G.S., red.; KHUNDADZE, G.R.,
zasl. deyatel' nauki, prof., red.; MESKHIA, Sh.A.,
prof., red.

[Basic stages of the development of medicine in Georgia]
Osnovnye etapy razvitiia meditsiny v Gruzii. Tbilisi,
Izd-vo "Metsniereba," 1964. 286 p. (MIRA 17:12)

1. Akademiya nauk Gruzinskoy SSR (for Zhgenti, Zurabashvili,
Kavtaradze, TSulukidze, Eristavi). 2. Chlen-korrespondent
AN Gruzinskoy SSR (for Chitaya, Khundadze, Meskhia).

ERISTOV, I.

1. YERISTOV, I.

2. USSR (600)

4. Moving-Picture Projectors

7. Basic problem in the operation and repair of motion picture equipment, Kinomekhanik, No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

BRILSON, V.M.

27053

ischet obdelok napornykh tunnelay na vnutrennee davlennie v neodnorodnoy
uprugoy srede. Gidrotekhn. Stroit-vo, 1941, No. 3. S. 1-5

SO: LETOPIS' NO. 34

54/49733

ERISTOV, V. S.

USSR/Electricity
Hydroelectric Power
Reservoir

Nov 48

"Construction of a Pressure Tunnel for a High-Power,
High-Head Regulated Plant," V. S. Eristov, Cand Tech
Sci, 5 pp

"Gidrotekh Stroi" No 11

Described hydroelectric station, location of which
is not given, is the first high-power, high-head
regulated plant in the USSR. Tunnel, which develops
pressure up to 6.5 atm, is about 8 km long and 3.20
meters in diameter.

54/49733

PA 63/49T16

USSR/Engineering
Hydroelectric Stations
Construction

Dec 48

"Construction of a Pressure Tunnel Regulating a
High-Power Hydroelectric Station," V. S. Krivor,
Cand Tech Sci, 6 pp

"Gidrotekh Stroi" No 12

Describes various stages in the construction of this
tunnel: types of machines used for various soil
and rock encountered, concrete work, injection of
the cement mixture behind the framework, and labor
productivity in moist places. Tunnel, placed

USSR/Engineering (Contd)

63/49T16

Dec 48

under pressure for about 4 weeks, appeared to be
in satisfactory condition. Stresses need for im-
proving and mastering new methods of tunnel con-
struction, and increasing production of special
machines for this work.

63/49T16

35430. Proektirovanie i Sooruzhenie Otdelok Napornogo Topliva. Trudy IV Vsesoyuzn. Konf-tsa po Betonu i Zhelezobeton. Konstruktsiyam. Ch. 1. M.-L., 1949, S. 145-53

SO: Letopis' Zhurnal'n ikh Statoy Vol. 34, Moskva, 1949

ERISTOV, V. S.

USSR/Engineering
Construction Industry

Feb 49

Dams

"Settling of Dams Erected From a Rock Fill,"
V. S. Eristov, Card Tech Sci, 2 pp

"Gidrotekh Stroi" No. 2

In the process of filling the dam, settling of the dam from its own weight was considerably less than expected, and was measured in tenths of centimeters and tenths of a percent instead of several centimeters. This was attributed to excellent preparation and consolidation of the foundation,

33/49244

USSR/Engineering (Contd)

Feb 49

parity and quality of stone entering the fill, and keeping shorts, slabs, etc., out of the fill. Total maximum settling of the dam is expected to be around 18 cm, or about 0.6% of the height.

33/49244

27083 ERISTOV, V. S. Raschet obdelok napornykh tunnelov na vnutrenneye davleniye
v neodnorodnoy uprugoy srede. Gidrotekhn. stroit-vo, 1949, No.8, s. 1-5.
SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

Eristov, V.S.

Subject : USSR/Hydr. Eng. AID P - 4007
Card 1/1 Pub. 35 - 14/18
Author : Eristov, V. S., Kand. Tech. Sci.
Title : Use of precast reinforced concrete at hydraulic construction works in France and Morocco.
Periodical : Gidro. stroi., 8, 39-41, 1955
Abstract : Some details on the construction work on various dams in these countries. Nine figures.
Institution : None
Submitted : No date

ERISTOV, V.S.

AID P - 1742

Subject : USSR/Hydraulic Engineering Construction

Card 1/2 Pub. 35 - 1/21

Author : Eristov, V. S., Chief, Technical Administration, Ministry
of Construction of Electric Power Plants

Title : For a wider use of prefabricated reinforced concrete parts
and structures in hydro-power construction

Periodical : Gidr. stroi., v.24, no.2, 1-2, 1955

Abstract : The use of prefabricated reinforced concrete is strongly
recommended in the construction of auxiliary shops,
housing facilities and in some structures of hydro-
power developments, i.e. floors of powerhouses of small
and medium capacity, control towers of navigation locks,
numbers of bridges and construction trestles, etc.
Insufficient facilities for the manufacturing of pre-
fabricated concrete at construction sites and the lack
of experience of workers is criticized.

Gidr. stroi., v.24, no.2, 1-2, 1955

AID P - 1742

Card 2/2 Pub. 35 - 1/21

Institution: None

Submitted : No date

LIKIN, Vasil'y Vasil'yevich, inzhener; KRISTOV, V.S., inzhener, nauchnyy
redaktor; BARSOV, M.V., redaktor izdatel'stva; VOLKOV, V.S.,
tekhnicheskiy redaktor; TOKER, A.M., tekhnicheskiy redaktor

[Installation of metal construction elements in hydraulic
construction] Montazh metallicheskih konstruktsii gidrotekhnicheskikh
sooruzhenii. Moskva, Gos. izd-vo lit-ry po stroit. i arkhi-
tekture, 1956. 275 p. (MLRA 9:9)
(Hydraulic engineering) (Building, Iron and steel)

5815-700-115
KRZHIZHANOVSKIY, G.M., akademik; AYVAZIAN, V.G.; ALAMPIYEV, P.M.;
BUYANOVSKIY, M.S.; VARTAZAROV, S.Ya.; VEYTS, V.I.; GUVIN, F.F.;
DYMISTRASHKO, N.V.; KARAULOV, N.A.; KOCHARYAN, G.A.;
KRITSKIY, S.N.; LEBEDEV, M.M.; MURZAYEV, E.M.; FEL'DMAN, M.P.;
SHCHENGELIYAN, P.G.; ERISTOV, V.S.

Sukias Efremovich Manaserian; obituary. Izv.AN SSSR. Ser.geog.
no.5:143-144 S-O '56. (MLRA 9:11)

(Manaserian, Sukias Efremovich, 1881-1956)

ERISTOV, V.S., kandidat tekhnicheskikh nauk.

Consolidation of alluvium in the foundation of the Serres-Ponsen
dam. Gidr.stroi. 25 no.2:58-59 '56. (MLRA 9:8)
(France--Dams)

ERISTOV, V.S.

Improve the quality of work in building hydroelectric power station projects. Gidr.stroi.25 no.8:1-5 S '56. (MIRA 9:10)

1.Nachal'nik Tekhnicheskogo upravl niya Ministerstva stroitel'stva elektrostansiy.

(Hydroelectric power stations)

BRISTOV, V.S., kandidat tekhnicheskikh nauk.

Conference under the auspices of the Committee for Electric Power
in Geneva. Gidr.stroi. 25 no.11:58-59 D '56. (MLRA 10:1)
(Geneva--Electric power--Congresses)

ERISTOV, V

S

Hydroelectric construction in USSR. Moscow, 1957.

I v. (various paging) illus., graphs, maps, tables.

Photostat(positive)

Available also on Microfilm-Reel 351.

Includes bibliography.

5/11/68, U.S.
BELYAKOV, A.A.; KRISTOL, Y.S.; DEMENT'YEV, M.A.; BORODIN, P.V.; FOGEL'SON,
S.B.; PLATONOV, V.A.; IORISH, Ye.L.; GAL'PERIN, R.S.

Letter to the editors. Gidr. stroi. 26 no.4:52-53 Ap '57.
(Dass) (MLBA 10:6)

MALENKOV, G.M.; PERVUKHIN, M.G.; KUCHERENKO, V.A.; ZHIMERIN, D.G.; LOGINOV,
F.G.; PAVLENKO, A.S.; YERMAKOV, V.S.; VINTER, A.V.; DMITRIYEV, I.I.;
UGORETS, I.I.; BEKHTIN, N.V.; VOZNESENSKIY, A.N.; VASILENKO, P.I.;
BOROVOY, A.A.; NOSOV, R.P.; KRISTOV, V.S.; BELYAKOV, A.A.; RUSSO,
G.A.; VASIL'YEV, A.F.; REPKIN, V.P.; TERMAN, I.A.; ORLOV, G.M.;
CHUMACHENKO, N.A.; BESCHINSKIY, A.A.; YAROSH, V.F.

Pavel Pavlovich Laupman; obituary. Gidr. stroi. 26 no.5:62 My '57.
(Laupman, Pavel Pavlovich, 1887-1957) (MLRA 10:6)

8(6), 14(6, 10)

SOV/112-59-4-6665

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 4, p 40 (USSR)

AUTHOR: Eristov, V. S.

TITLE: Advancement of Hydro-Engineering Science in the USSR

PERIODICAL: V sb.: Energ. str-vo SSSR za 40 let. M.-L., Gosenergoizdat, 1958, pp.64-70

ABSTRACT: A list of research institutes organized in the USSR since 1918 which contributed to a high level of hydro-engineering science is submitted. The domain of work and principal results are indicated for each institute. Automation and remote control have been widely adopted; concrete plants, water-table-lowering systems, dredge control, etc., are automated; radio-active isotopes are used for checking welds, concrete, and pulp consistency; ultrasonic flaw detection, etc., is also used.

A.A.K.

Card 1/1

LOGINOV, F.G., red.; STEKLOV, V.Yu., red.; KRISTOV, V.S., red.

[Construction of power installations in the U.S.S.R.; Soviet
exhibit at the Brussels World Fair] Energeticheskoe stroitel'stvo
SSSR; [sektzia SSSR na Vsemirnoi vystavke 1958 g. v Briussels].
Moskva, 1958. 1 v. (MIRA 11:9)
(Power plants) (Brussels--Exhibitions)

YAKUBOVSKIY, F.B., red.; BELYAYEV, B.I., red.; VOLNYANSKIY, A.K., red.;
KAMINSKIY, D.N., red.; KOL'TSOV, A.G., red.; KURUK, M.M., red.;
OVSYANKIN, V.I., red.; PRIVALOV, M.N., red.; KHRAMUSHIN, A.M.,
red.; BRISTOV, V.S., red.; UDOD, V.Ya., red.izd-va; TEMKINA,
Ye.L., tekhn.red.

[Papers and reports of the section on industrial construction,
assembling and specialized work of the All-Union Conference on
Construction] Doklady i soobshchenia. Moskva, Gos.izd-vo lit-ry
po stroit., arkhitekt. i stroit.materialam, 1958. 438 p.

(MIRA 12:7)

1. Vsesoyuznoye soveshchaniye po stroitel'stvu. Moscow, 1958.
Sektziya promyshlennogo stroitel'stva, montaznykh i spetsializirovannykh rabot.

(Building)

ZASYAD'KO, A.F.; KUCHERENKO, V.A.; PAVLENKO, A.S.; GRISHMANOV, I.A.;
FROLOV, V.S.; SHASHKOV, Z.A.; YEFREMOV, M.T.; SMIRNOV, M.S.;
CHIZHOV, D.G.; NOVIKOV, I.T.; NOSOV, R.P.; ASKOCHENSKIY, A.N.;
NEKRASOV, A.M.; LAVRENENKO, K.D.; TARASOV, N.Ya.; GABDANK, K.A.;
LEVIN, I.A.; GINZBURG, S.Z.; ALEKSANDROV, A.P.; KOMZIN, I.V.;
OZEROV, I.N.; SOSNIN, L.A.; BELYAKOV, A.A.; NAYMUSHIN, I.I.;
INTUSHIN, M.V.; ACHKASOV, D.I.; RUSSO, G.A.; DROBYSHEV, A.I.;
PLATONOV, N.A.; ZHIMERIN, D.G.; PROMYSLOV, V.F.; ERISTOV, V.S.;
SAPOZHNIKOV, F.V.; KASATKIN, M.V.; ALEKSANDROV, M.Ya.; KOTEL'NISKIY,
D.G.

Fedor Georgievich Loginov; obituary. Elek.sta. 29 no.8:1-2
Ag '58. (MIRA 11:11)
(Loginov, Fedor Georgievich, 1900-1958)

ERISTOV, V.S., red.; KORNILOV, A.M., red.; VORONIN, K.P., tekhn.red.

[Design and construction of high dams; materials of the conference on high dams] Proektirovanie i stroitel'stvo vysokikh plotin; po materialam soveshchaniia po vysokim plotinam. Pod obshchei red. V.S.Eristova. Moskva, Gos.energ.izd-vo, 1960. 196 p.

(MIRA 13:6)

1. Nauchno-tekhnicheskoye obshchestvo stroitel'noy industrii SSSR. 2. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR ; Tekhnicheskoye upravleniye Ministerstva stroitel'stva elektrostantsiy SSSR (for Eristov).

(Dams)

ERISTOV, V.S.

Development of and technical problems in the construction of hydroelectric projects. Gidr. stroi. 31 no. 12:23-35 D '60.

(MIRA 14:4)

1. Glavnyy inzh. Tekhnicheskogo upravleniya Ministerstva
stroitel'stva elektrostansiy, chlen-korrespondent Akademii
stroitel'stva i arkhitektury SSSR.

(Hydroelectric power stations--Design and construction)

ERISTOV, Vissarion Sardionovich; TISTROVA, O.N., red.; BORUNOV, N.I.,
tekhn. red.

[Utilization of water resources in southeastern Asia and Australia]
Ispol'zovanie vodnykh resursov Iugo-Vostochnoi Azii i Avstralii.
Moskva, Gos. energ. izd-vo, 1961. 158 p. (MIRA 14:10)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR
(for Eristov).

(Asia, Southeastern---Water resources development)

(Australia---Water resources development)

ERISTOV, V. S.

NOVIKOV, I.T.; NEPOROZHNIY, P.S.; LAVRENEENKO, K.D.; BONDARENKO, N.M.;
FINOGENOV, Ya.I.; PLATONOV, N.A.; SHIKOROV, I.S.; BELYANOV,
A.A.; SEVST'YANOV, V.I.; ERISTOV, V.S.; ERISTOV, V.S.
RAZIN, N.V.; MHATSAKANOV, L.N.; PLATONOV, V.A.; SHUNLIN, B.M.
SHKUNLIN, B.M.; ROZANOV, K.A.; LIVSHITS, A.Ya.; LOPATIN, N.A.;
BESTROV, P.S.

Sergei Borisovich Fogel'son. Gidr. stroi. 31 no. 1:59-60
Ja '61. (MIRA 14:2)
(Fogel'son, Sergei Borisovich, 1911-1960)

ERISTOV, V.S.

"Use of concrete in large-scale construction" by G.D. Petrov.
Received by V.S. Eristov. Gidr. seroi. 31 no. 1: 51-52 Ja '61.
(MIL. 14:2)

1. Chlen-korrespondent Akademiya Nauk i Arkhitektury
SSSR.

(Concrete construction) (Petrov, G.D.)

ERISTOV, V.S.

Seventh International Congress of Large Dams; underground
operations in the construction of large dams. Gidr. stroi.
32 no.3:53-59 Mr '62. (MIRA 16:7)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury
SSSR.

(Dams—Congresses)

(Earthwork)

NOVIKOV, I.T.; NEPOROZHNIY, P.S.; GINZBURG, S.Z.; BELYAKOV, A.A.;
ERISTOV, V.S.; VOZNESENSKIY, A.N.; IVANTSOV, N.M.;
BOROVOY, A.A.; TERMAN, I.A.; ALEKSANDROV, B.K.;
YURINOV, D.M.; NOSOV, R.P.; MIKHAYLOV, A.V.; NICHIPOROVICH, A.A.;
ABELEV, A.S.; PROSKURYAKOV, B.V.; MENKEL', M.F.; KRITSKIY, S.N.;
BELYI, L.D.

Mikhail Evgen'evich Knorre. Gidr. stroi. 32 no.5: My '62.

(MIRA 15:5)

(Knorre, Mikhail Evgen'evich, 1876-1962)

ERISTOV, V.S.

Seventh International Congress on Large Dams; underground
structures in the construction of large dams. Gidr. stroi.
32 no.6:49-59 Je '62. (MIRA 15:6)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury
SSSR.

(Dams)

KUPERMAN, V.L., inzh.; OBREZKOV, S.S., inzh.; ERISTOV, V.S., red.;
BOBRITSKIY, M.M., inzh., red.; MOSTKOV, V.M., inzh.,
red.; ROZANOV, K.A., inzh., red.; TAYCHER, S.I., inzh.,
red.; KORNILOV, A.M., red.; LARIONOV, G.Ye., tekhn.red.

[Design and construction of hydraulic tunnels and under-
ground hydroelectric power stations] Proektirovanie i so-
oruzhenie gidrotekhnicheskikh tunnelei i podzemnykh GES;
materialy soveshchaniia. Moskva, Gosenergoizdat, 1963.
231 p. (MIRA 16:10)

1. Chlen-korrespondent Akademii stroitel'stva i arkhi-
tektury SSSR (for Eristov).
(Hydroelectric power stations)

MOSTKOV, Vladimir Mikhaylovich; ERISTOV, V.S., retsenzent; CHECHKOV,
L.V., red. izd-va; SHKLYAR, S.Ya., tekhn. red.; LOMILINA,
L.N., tekhn. red.

[Construction of underground installations of large cross-
section] Stroitel'stvo podzemnykh sooruzhenii bol'shogo se-
cheniia. Moskva, Gosgortekhzdat, 1963. 306 p.

(MIRA 16:7)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury
SSSR (for Eristov).

(Mining engineering)

ERISTOV, V.S., prof.

Construction and calculation of linings of high-pressure hydraulic
tunnels. Gidr.stroi. 34 no.11:19-22 N '63. (MIRA 17:3)

TOKACHIROV, V. A.; FELORENKO, A.; ROSA, S. A.; ERISTOV, V. S.

"Studies of deformation properties of rock foundations of high arch and gravity dams in the USSR."

report presented at the 32nd Exec Mtg & 8th Intl Conf, Intl Comm on Large Dams, Edinburgh, 4-8 May 64.

ERITS Kh.E.

S-5

USSR/Endocrine System

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 21798

Author : Lunap, E.F., Erits, Kh.E.

Inst : Not Given

Title : A Contribution to the Question of the Vascularization of the
Thyroid Gland In Man. Communication I.

Orig Pub : Uch. zap. Tartusk. un-ta, 1956, vyp. 40, 53-62

Abstract : A study was made of the interlobular and intralobular vessels and of the capillary network of the human thyroid gland on the specimens with the blood vessels which were naturally injected with erythrocytes (the sections of 14 cases of asphyxia were used). Wide and short (100-200 microns) intralobular arterioles were found which did not anastomose but formed wide looped capillary networks (12-22 microns in diameter). They form anastomoses with each other and empty into numerous thin-walled broad venules in contiguous follicles. Interlobular veins are almost completely devoid of the circular muscle fibers. No arteriovenous anastomoses were found in

Card : 1/2

ERITSYAN, O.S.

Investigation of lines. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 15
no. 4:85-88 '62. (MIRA 15:8)
(Electric lines)

ERIUM, F.S.

The AETS-01 automatic electrothermal unit. Priborostroenie no.3:29
Mr '57. (MLRA 10:5)
(Thermometers)

1. (R) 1000, 1000,

ERIUM, F.S.

Arterial mechanical oscillographs. Priborostroenie no.6:30-31
Je '57. (MIRA 10:7)
(Oscillograph)

10(0)

AUTHOR:

Erism, F. S., Engineer

SOV/119-59-2-11/17

TITLE:

Apparatus for Analyzing the Quality of Products During the Flow (Pribyr dlya analiza kachestva produktov v potoke)

PERIODICAL:

Priborostroyeniye, 1959, Nr 2, pp 25 - 27 (USSR)

ABSTRACT:

Automatic Refractometer.
The apparatus RAN-57 is intended to serve for analyzing quantitatively a composition of 2 substances at the processing of petroleum or chemical products or also of food-stuffs. The increment Δn is recorded in comparison to a standard. A light beam penetrates both a cuvette filled with a standard solution and a cuvette containing the sample. Both cuvettes are separated by a molten quartz screen. In the case where in the cuvettes are liquids with different refraction indices n the beam is deflected by 2 prisms to 2 photocells. The voltage difference at the output of these two photocells is increased and used for actuating an electric motor. This motor is kept in operation as long as both prisms come into that position where both photocells are lighted with the same brightness. If this is attained a dial gage connected with a potentiometer, type EPP-09

Card 1/6

Apparatus for Analyzing the Quality of Products During
the Flow

SOV/119-59-2-11/17

indicates the position "0". For safety reasons, the entire apparatus is housed in an airtight case. The accuracy of measurement amounts $\pm 2 \cdot 10^{-2}n$ (n = refraction index). The apparatus is equipped with a thermostat keeping the test liquid on $20 \pm 2^\circ\text{C}$. The apparatus was developed by A. M. Ruvinskiy and V. S. Sukhomlinov.

Apparatus for automatically detecting petroleum in water. The apparatus serves for automatic analysis of the quantity of oil or petroleum refining residue in the sewage of petroleum refineries. The test results are graphically recorded. By means of this apparatus PONV-57 samples are automatically taken out of the sewage and supplied to the apparatus. The distance between apparatus and the place where the samples are taken should not be longer than 400 m. The measuring method is the following: when an ultraviolet ray passes through a cuvette containing the sample and through a cuvette containing the standard solution, a luminescence of different intensity in each of them is excited. The luminescent radiation arrives at a multiplier FEU-17 in which the light energy is transformed into electric

Card 2/6

Apparatus for Analyzing the quality of Products During
the Flow

SOV/119-59-2-11/17

currents. These are now recorded by the potentiometer EPP-09. The apparatus PONV-57 consists of 4 sets and is apt for detecting the presence of petroleum residues of 200-250 mg/l in the sewages. The accuracy amounts $\pm 10\%$ and the connected value is 2 kW. The development of this apparatus was supervised by L. A. Imanuilov.

Automatic colorimeter. The automatic colorimeter AKN-57 works on the following principle: a light ray is directed through two optically equal channels to a photomultiplier. A disk is inserted into the path of the beam rotating at a speed of 1300 rpm. The disk is provided with 2 series of holes arranged in such a way that the beam passing through the standard cuvette arrives, for example, through the lower series of holes at the multiplier. The beam passing through the test cuvette comes to the multiplier through the upper series of holes. At normal operation the luminous flux of both channels is recorded and the resulting photocurrent is of sine-shape and wears single prongs. These signals are after their amplification conducted to the potentiometer EPP-09. The potentiometer amplifier works with 2 valves the

Card 3/6

Apparatus for Analyzing the Quality of Products During
the Flow

SOV/119-59-2-11/17

one serving as amplitudevoltage meter and the other one as rectifier. The amplifier transformers are such dimensioned that, at the same light absorption in both cuvettes, the impulse amplitude given on one grid is equal to the amplitude of a sine voltage supplied to the grid of the 2nd valve. Due to this, at the cathodes of the valves of the amplitude voltage meter constant voltages will occur. One of them is proportional to the impulse amplitude the other one to the amplitude of the a.c.component. The d.c.voltages are now transmitted to the next valve, i.e.the rectifier. In case the color intensity of the petroleum sample varies,different voltages will be conducted to the rectifier and consequently an alternating component which starts the motor of a rheostat will occur at the transformer output. The rotation of the rheostat lasts until this alternating component disappears. The apparatus is housed in a safety case. It consists of the colorimeter, the potentiometer EPP-09, the stabilizer ST-250 and a 220/127 V transformer and was developed by V. O. Bukler, I. Ya. Shapiro, and I. L. Krymskiy. Apparatus for automatic determination of the flash point of petroleum products. By means of the

Card 4/6

Apparatus for Analyzing the Quality of Products During
the Flow

SOV/119-59-2-11/17

apparatus PAVN-57 the flash point of different petroleum products lying between 25 and 130°C can be measured. The main part of the device consists in the explosion chamber which at certain time intervals is filled automatically with the petroleum product to be tested. The petroleum product is heated by an electric heater. When the mixture petroleum product - air attains a certain concentration it is ignited by an electric spark. ~~The flash point~~ and the temperature are recorded by the potentiometer EPP-09. After the ignition, the explosion chamber is rinsed by compressed air and then refilled. The temporal course of the test procedure is controlled by a timing relay. Rinsing the chamber needs 13 s and filling it with the new sample 17 s. The determination of the flash point, depends on the ignitability of the sample and requires 1-10 minutes. For one test, 70 ml of the petroleum product are necessary. The apparatus is also apt for determining the deviation of the flash point from a **given** value by means of a thermocouple built in into the explosion chamber. The entire device consists of the apparatus PAVN, the control desk, the potentiometer ~~EPP~~-09 and the rationing equipment.

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Apparatus for Analyzing the Quality of Products During
the Flow

SOV/119-59-2-11/17

It was developed by M. P. Komissarova, I. A. Golubovskiy,
and V. V. Khromtsov. There are 4 figures.

Card 6/6

9(6), 17(8)

AUTHOR:

Erium, F. S.

SOV/119-59-4-16/18

TITLE:

Automatically Recording Medical Instruments
(Samopishushchiye meditsinskiye pribory)

PERIODICAL:

Priborostroyeniye, 1959, Nr 4, pp 30-31 (USSR)

ABSTRACT:

The multichannel hemodynamical oscillograph of the type GOE-01 with a photographic recorder has been developed by the staff of the KTL "Biosfizpribor" by order of the Institut terapii Akademii meditsinskikh nauk SSSR (Institute of Therapy of the Academy of Medical Sciences USSR). This instrument can be used for the comprehensive investigation of the functional state of peripheral blood circulation. The quantities which can be measured with this instrument are enumerated. This apparatus also provides for a simultaneous measurement of the pressure in two arteries according to the oscillator method. Furthermore it is possible to measure the pressure in veins simultaneously in both hands or legs (according to the volumetric method). The apparatus GOE-1 also makes possible the recording of pulse curves at three points, and also the recording of one of the following variants of an electrocardiogram : I, II, III, aVL, aVR, aVF, cV.

Card 1/3

Automatically Recording Medical Instruments

SOV/119-59-4-16/18

The channels of the instrument (with the exception of the electrocardiographic one) are all designed on the principle of the transformation of a variable pressure into corresponding capacity changes of a specially designed condenser manometer. The instrument GOE-01 is also suited to scientific research work as well as to clinical practice in the diagnosis and the curing of heart- and circulatory diseases. It is a portable unit with a size of 1220 . 460 . 830 mm and with a weight of approximately 100 kg. The second part of this article treats of an instrument for the uninterrupted and automatic control of the heart and circulatory system during surgical operations. This instrument (of the type SKhE-01) has been developed by the staff of the KTB "Biofizpribor" by order of the Institut khirurgii Akademii meditsinskikh nauk SSSR (Institute of Surgery of the Academy of Medical Sciences USSR) from 1955 to 1957. It is suited for the uninterrupted and automatic control and the recording of the activity of the heart and the circulatory system and of respiration during surgical operations on the heart, of the brain and on other human organs. It can be used for scientific research work and animal experiments. The instrument of the type SKhE-01 is a portable

Card 2/3

Automatically Recording Medical Instruments

SOV/119-59-4-16/18

electric multichannel instrument with a size of 925 . 670 . 775 mm and a weight of 80 kg. It is supplied from a. c. mains with 127 or 220 V \pm 10% and a frequency of 50 \pm 1 cy. It takes about 600 watts from the supply. Finally the limits of the measuring ranges of this instrument are given. There are 2 figures.

Card 3/3

S/119/60/000/03/013/017
B014/B007

9(6), 25(6)
AUTHOR:

Erium, F. S., Engineer

TITLE:

The Ultrasonic Viscosimeter of the Type UZV-58

PERIODICAL:

Priborostroyeniye, 1960, Nr 3, pp 26-27 (USSR)

ABSTRACT:

The viscosimeter described here is intended for the permanent checking of viscosity of liquids in various branches of industry. It is based upon the measurement of the reaction of the liquid to be measured on a plane plate oscillating with ultrasonic frequency. By the vibrating plate shear waves (sdvigovyye volny) are excited in the liquid, which act upon the plate like a braking force. This force is a function of the viscosity and consistence of the liquid. Two varieties of this instrument are described. The block diagram of the first instrument is shown in figure 1. It operates with magnetostrictive transmitters and receivers, and the signal received by coil 2 (Fig 1) is amplified and conveyed to the measuring instrument. The second variety renders it possible to compare the viscosity of a liquid to be measured with that of a standard liquid (Fig 2). In this case it is possible, under certain

Card 1/2

The Ultrasonic Viscosimeter of the Type UZV-58

S/119/60/000/03/013/017
B014/B007

conditions, to neglect temperature influences. Details concerning the assembling of this instrument are given, and the fact is stressed that the distance between the two measuring heads which measure the viscosities, may amount up to 100 m. The instruments may be used at temperatures of up to 120°C. There are 2 figures.

Card 2/2

ERIUM, M.S.

New medical instruments. Priboreshtroenie no.2:25-26 P '57.
(Audiometer) (MIRA 10:4)
(Thermometers and thermometry, Medical)

SOV/137-58-9-19388

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 177 (USSR)

AUTHOR: Erivanly, N.M.

TITLE: ~~Iron for Bushings of Deep-well Pumps and its Heat Treatment~~
(Chugun dlya vtulok glubinnykh nasosov i yego termicheskaya obrabotka)

PERIODICAL: Materialy Mezhvuz. nauchn. soveshchaniya po vopr. novoy tekhn. v nef. promsti, 1958, Vol 3, pp 201-205

ABSTRACT: An investigation was conducted with the purpose of developing a material and the development of a technological process for manufacturing bushings (B) for a deep-well pump that would make it possible to increase the life of the pump and simplify the whole procedure of its manufacture. The material which ensures the formation of cementite throughout the B in the centrifugal casting into the chill mold is an iron with an average chemical composition (in %) of C 2.7, Mn 1.0, Si 1.0. Bushings which after casting exhibit a completely pearlitic-ledeburitic structure without graphite inclusions are subjected to malleablizing for the duration of ~28 hours. After the malleablizing all the B are checked for H_B , which should be

Card 1/2

SOV/137-58-9-19388

7 Iron for Bushings of Deep-well Pumps and its Heat Treatment

180-220. It is established that the manufacture of B from malleable iron reduces factory rejects caused in casting and heat treatment, simplifies the process procedure, eliminating stepwise quenching after machining, and increases the precision in the manufacture of bushings.

A.B.

1. Bushing--Production 2. Iron--Applications 3. Iron--Processing

Card 2/2

ERIVANSKAYA, L. A.

Cand Chem Sci

"Investigation in the Field of Catalytic Dehydrocyclization of Paraffin Hydrocarbons." Sub 9 Apr 51, Moscow Inst of Fine Chemical Technology imeni M. V. Lomonosov.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

1. ERIVANSKAYA, L. A.; KAGAN, M. YA.

2. USSR (600)

4. Dehydrogenation

7. Kinetics of dehydrogenation of methylcyclohexane on a chrome-aluminum catalyst.
Zhur. fiz. khim. 26 no. 8, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

ERIVANSKAYA, L. A., TROFIMOVA, I. V. and KAGAN, N. Ya.

"The Mechanism of Catalytic Dehydrocyclization of Paraffin Hydrocarbons," Dokl. AN SSSR, 82, No. 6, pp 913-916, 1952.

Translation W-23159, 3 Jul 1952

Inst. of Fine Chem Tech im Lomonosov

Transformation of α -methylbenzyl alcohol under conditions of catalytic hydrogenation. Shulkin, L. A., Krivanskaya, and V. V. Kostomarov. (State Univ., Moscow). Zhur. Obshch. Khim. 26, 2562-7 (1952). Transformation of MeOPh over Ni-alumina catalyst (cf. Shulkin, *et al.*, C.A. 47, 6246; Zelinskii and Komarevskii, C.A. 18, 2833) was studied at 165°, 185°, 215°, and 240° at atm. pressure and under 50 or 135 atm. H₂. At atm. pressure MeOPh undergoes hydrogenolysis at Ph-O and at Me-O links, as well as isomerization to *p*-cresol. Hydrogenation under 50 atm. H₂ and 160° yields hexahydroanisole, 83.5%, bp 132.2-2.4°, d_4^{20} 0.8790, n_D^{20} 1.4348. At 215-40° the main reaction products are CH₄, some CO, PhOH, *o*-cresol, C₆H₆, cyclohexane, and olefins. At 215° hexahydroanisole cleaves completely to cyclohexane, CH₄, and H₂O with formation of some CO, olefins, CO, H₂, and CH₄. At atm. pressure the products are MeOH, PhOH, and H₂. At 240° cyclohexene

Chem

З. Рубин, Л. А.
Let. Zhur. Khim. 1956.
#63116

ERIVANSKAYA L.R.

SHUYKIN, N.I.; ERIVANSKAYA, L.A.; KUZNETSOVA, R.Ye.

Contact-catalytic conversions of anisole and isomeric methyl-
anisoles. Vest.Mosk.un.Ser.mat., mekh., astron., fiz., khim.
12 no.3:135-139 '57. (MIRA 11:3)

1.Kafedra khimii nefti Moskovskogo gosudarstvennogo universiteta.
(Anisole) (Catalysis)

Synthesis of 1,2,4-triazole and 2,4-diazobenzene

N. I. Shitkova, E. I. Vologina, E. I. Kuznetsova, and V. I.

Ap. Vestnik Akad. Nauk SSSR, 1971, No. 11, 2111-2112

For the USSR Academy of Sciences, Institute of Organic Chemistry

USSR Academy of Sciences, Institute of Organic Chemistry

Ref
1 4

SHUYKIN, N.I.; ERIVANSKAYA, L.A.; AN, V.V.

Contact catalytic conversions of phenetole, n-propyl and isopropyl phenol ethers in the presence of aluminum oxide. Vest. Mosk. un. Ser. mat., mekh., astron., fiz. khim., 12 no.5:125-132 '57.
(MIRA 11:9)

1. Kafedra khimii nefti Moskovskogo gosudarstvennogo universiteta.
(Ethers) (Aluminum oxides)

ERIVANSKAYA, L A

23

5(3)

AUTHORS: Shuykin, N.I., Erivanskaya, L.A., SOV/55-58-5-27/34
Korosteleva, G.S., Gogoberidze, G.V.

TITLE: Catalytic Conversion of the Isoamyl Ester of n-Cresol and of the Cyclopentyl Ester of Phenol (Kataliticheskiye prevrashcheniya izoamilovogo efira n-krezola i tsiklopentilovogo efira fenola)

PERIODICAL: Vestnik Moskovskogo universiteta, Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1958, Nr 5, pp 181 - 186 (USSR)

ABSTRACT: The transformations of the combinations mentioned in the title were investigated in presence of aluminum oxide under ordinary pressure, 150 - 250° and for different volume velocities. It is supposed that for 150° in presence of Zn Cl₂ (10 %) which was covered on Al₂O₃, a direct alkylation of the phenols by olefins (without the intermediate formation of phenolethers takes place. - There are 4 tables, and 8 references, 5 of which are Soviet, 2 American, and 1 German.

ASSOCIATION: Kafedra khimii nefiti (Chair of Petroleum Chemistry)

SUBMITTED: December 16, 1957

Card 1/1

PLATE, A.F., prof., otv.red.; GOSTUNSKAYA, I.V., red.; TITS-SKVORTSOVA,
I.N., red.; MRIVANSKAYA, L.A., red.; KONDRASHKOVA, S.F., red.;
YERMAKOV, M.S., tekhn.red.

[Collected studies of the interuniversity conference on chemistry
of petroleum] Sbornik trudov meshvuzovskogo soveshchaniya po
khimii nefti. Moskva, Izd-vo Mosk.univ., 1960. 313 p.
(MIRA 13:11)

1. Meshvuzovskoye soveshchaniye po khimii nefti. 1956.
(Petroleum)

SALIMOV, M.A.; VIKTOROVA, Ye.A.; ERIVANSKAYA, L.A.; SHUYKIN, N.I.

Infrared spectra of alkylphenols and their simple ethers. Azerb.
khim.zhur. no.6:99-105 '60. (MIRA 14:8)
(Phenol--Spectra)

S/074/60/029/05/03/005
B008/B006

53200

AUTHORS: Shuykin, N. I., Erivanskaya, L. A.

TITLE: Catalytic Hydrogenation of Phenols ✓

PERIODICAL: Uspekhi khimii, 1960, Vol.29, No. 5, pp. 648-668

TEXT: An investigation of catalytic transformations occurring in the hydrogenation of phenols separated from higher fractions of primary resins, and in the hydrogenation of narrow fractions enriched in one or the other component was carried out. Sharp rectification- or chromatographic methods can be applied for separating these fractions. Previous research in the field of phenol transformation in hydrogenation is described in Refs. 1-8. Hydrogenation of phenols to hydroaromatic alcohols is discussed in Refs. 1, 9-91. Hydrogenations on platinum-, palladium-, copper-, and nickel catalysts are described. Hydrogenation of pure phenols can be carried out at comparatively low temperatures (up to 200°C) as well as at high- or atmospheric pressures in the presence of nickel- or platinum catalysts. Hydrogenation of industrial phenol mixtures is more difficult, owing to catalyst poisoning by sulfur-containing compounds. The reaction order of phenol hydrogenation is probably between zero and one. Which of the possible geometric isomers of the correspond-

Card 1/4

Catalytic Hydrogenation of Phenols

S/074/60/029/05/03/005
B008/B006

ing alcohol is formed, depends on hydrogenation conditions. Published data on the properties of cis- and trans-methyl cyclohexanols and melting points of their derivatives are given in Table 1. Hydrogenation of phenols to hydroaromatic ketones is described in Refs. 29, 66, 78, 92-101. In general, alicyclic ketones can be prepared by hydrogenating the corresponding phenols. Yields of these ketones, however, depend not only on hydrogenation conditions, the nature of the catalyst, and the amount of hydrogen adsorbed, but also on the structure of the initial phenol. The reduction of phenols to aromatic hydrocarbons is discussed in Refs. 5, 102-154. Catalysts based on molybdenum are generally applied. Experimental- and thermodynamic data indicate that a pressure drop during the hydrogenation of phenols in the presence of molybdenum catalysts increases the yields of aromatic hydrocarbons. The reaction, however, is slower and accompanied by considerable charring. At higher temperatures, phenols tend to give various condensation reactions. The formation of alicyclic hydrocarbons in the hydrogenation of phenols to the corresponding alcohols was observed by many investigators (Refs. 27, 28, 31, 66, 113, 118, 137, 140, 141, 149, 155-160). These hydroaromatic hydrocarbons, however, were only formed in small quantities as by-products of hydroaromatic alcohols. In order to obtain alicyclic hydrocarbons:

Card 2/4

80737

Catalytic Hydrogenation of Phenols

S/G 4/60/029/05/03/005
B/C 3/B 106

as main reaction product, the hydrogenation temperature must be chosen high enough to ensure dehydration of the alcohol. The behavior of polynuclear phenols in hydrogenation reactions has not been investigated widely (Refs. 107, 128, 136, 141, 158, 161-163). High-pressure hydrogenation of these compounds in the presence of molybdenum catalysts yields hydrocarbon mixtures containing aromatic-, hydroaromatic-, and various other hydrocarbons. Phenol formation is also observed. Refs. 6, 169-213 deal with the destructive hydrogenation of higher phenols, by which lower phenols are obtained. Thermodynamically, dealkylation of phenols is also possible. It can be effected by cracking higher phenols, or, by reacting higher phenols, without a catalyst at higher temperatures. Yields of lower phenols, however, are small. Several patents (Refs. 199-204) recommend destructive transformations of phenols to be carried out not only in the presence of metal oxides and metal sulfides, but also in contact with cracking catalysts. The direction of the reaction can be determined by choosing appropriate conditions and catalyst admixtures. The following persons are mentioned: V. V. Tishchenko, M. A. Belopol'skiy, B. L. Moldavskiy, I. B. Rapoport, S. Ye. Lifshits, A. V. Lozovoy, M. K. D'yakova, V. N. Ipat'yev, N. A. Orlov, M. F. Shostakovskiy, V. V. Shabarov, Ye. A. Viktorova, I. Ye. Pokrovskaya, A. I.

Card 3/4

Catalytic Hydrogenation of Phenols

S/074/60/029/05/03/005
B008/B006

Afanas'yeva, V. F. Polozov, Ye. I. Sil'chenko, A. Bag, T. Yegupov, D. Volokitin, S. A. Deryabin, A. M. Yasnyy, A. P. Terent'yev, A. N. Guseva, I. N. Nazarov, Ye. N. Zil'berman, F. Fisher, N. Prokopchuk, Ye. I. Prokopets, I. I. Yeru, B. K. Klimov, I. F. Bogdanov, V. I. Bobyshev, M. P. Minchenkov, V. P. Konov, K. A. Alekseyeva, T. Gritsevich, V. Ilomanov, G. Z. Koshel', V. A. Lanin, M. V. Pronina, M. S. Knyazeva, V. I. Zabavin, M. I. Kuznetsov, K. A. Belov, N. P. Masina, I. V. Kalechits, F. G. Salimgareyeva, N. N. Vorozhtsov junior, and V. N. Lisitsyn. There are 1 table and 213 references, 58 of which are Soviet.

ASSOCIATION: Khimicheskiy fakul'tet MGU im. M. V. Lomonosova
(Chemical Department of the MSU (Moscow State University)
imeni M. V. Lomonosov)

Card 4/4

84652

5.3306 only 2209, 1285

S/O20/60/133/005/033/034/XX
B016/B060

AUTHORS: Shuykin, N. I., Corresponding Member AS USSR, Erivanskaya,
L. A., and Yan Ay-si

TITLE: Catalytic Dehydrocyclization of β -n-Butyl Naphthalene

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 133, No. 5,
pp. 1125 - 1127

TEXT: Of late, N. I. Shuykin (Refs. 4, 5) has proved that high-molecular alkanes of normal structure (e.g., hexa-, hepta-, and octadecanes) undergo dehydrocyclization under certain conditions. Condensed systems of naphthalene, phenanthrene, benzantracene and chrysene are then formed. In the work under consideration, the authors carried out the dehydrocyclization of β -n-butyl naphthalene to phenanthrene and anthracene. They established that, under the conditions applied here, a cyclization takes place at the α -carbon atom of the naphthalene ring, which is nearest to the butyl group. Phenanthrene is preferably formed in this case. The authors' experiments took place at 400°, 450°, 500°, and 550°C, aluminum chromium (20% of chromium oxide) being used as a catalyst. The catalyst was regenerated

Card 1/2

84652

Catalytic Dehydrocyclization of β -n-Butyl
Naphthalene

S/020/60/133/005/033/034/XX
B016/B060

after each experiment. Table 1 gives the experimental results. It is stated that under the present conditions cracking does not play an important role. Their study has shown that β -n-butyl naphthalene in the presence of an aluminum-chromium catalyst easily undergoes dehydrocyclization at the β -carbon atom to form phenanthrene (70 - 80% of the theoretical yield). The anthracene yield does not exceed 1,5 - 2% in this case. The investigation is being continued for the dehydrocyclization of other β - and α -alkyl derivatives of naphthalene. Mention is made of papers by B. L. Moldavskiy, S. S. Nametkin, M. I. Khotimskaya, L. M. Rozenberg, and S. R. Sergiyenko. There are 1 table and 7 references: 5 Soviet and 1 US. ✓

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

SUBMITTED: April 29, 1960

Card 2/2

SALIMOV, M.A.; ERIVANSKAYA, L.A.; SHUTKIN, N.I.

Infrared spectra of alkylphenols and their ethers. Report No.3:
Infrared spectra of ethylphenols and their ethers. Azerb.
khim.zhur. no.3:123-129 '61. (MIRA 14:11)
(Phenols--Spectra)

SALIMOV, M. A.; ~~ERIVANSKAYA, L. A.~~; SHUYKIN, N. I.

Infrared spectra of alkylphenols and their ethers. Report
No.4: Infrared spectra of some ethers of phenols. Azerb.khim.
zhur. no.4:93-100 '61. (MIRA 14:11)
(Phenols) (Ethers--Spectra)

SHUYKIN, N.I.; ERIVANSKAYA, L.A.; KOMISSAROVA, N.L.;
YAN AY-SI [Yang Ai-hsi]

Catalytic dehydrocyclization of 2-n.hexyl- and 2-sec.hexylnaphthalenes.
Izv. AN SSSR Otd.khim.nauk no.2:327-333 F '62.

(MIRA 15:2)

1. Moskvskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Naphthalene)
(Aromatization)

SHUYKIN, N.I.; ERIVANSKAYA, L.A.; YAN AY-SI [Yang Ai-hsi]

Catalytic dehydrocyclization of α -alkylnaphthalenes. Zhur.ob.-
khim. 32 no.3:823-827 Mr '62. (MIRA 15:3)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Naphthalene) (Aromatization)

S/058/63/C00/003/030/104
A062/A101

AUTHORS: Salimov, M. A., Erivanskaya, L. A., Shuykin, N. I.

TITLE: Infrared spectra of alkyl phenols and their simple ethers.
Report 5. Infrared spectra of some simple ethers of alkyl substituted phenols

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 31, abstract 3D212
("Azerb. khim. zh.", 1962, no. 3, 67 - 73, summary in Azerb. language)

TEXT: Infrared spectra ($4,000 - .400 \text{ cm}^{-1}$) of some simple ethers of cresols and 3,4-xyleneol were obtained and examined. It was shown therein that the formation of ethers is accompanied by the disappearance of a number of bands, related to the oscillation of the hydroxyl group, and the appearance of intense bands $1,250 - 1,230$ and $1,180 - 1,150 \text{ cm}^{-1}$ in the region of valent oscillations of the C-O bond. In the spectra of methyl ethers of cresol a sharp decrease of the intensity of the bands of methyl groups is observed. The spectra of ethers in the long wave region are much richer than the spectrum of the initial cresols. The formation of an ether group brings about the activation of a series of os-

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Infrared spectra of alkyl phenols and...

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oscillations of the aromatic ring and the appearance of def. oscillations of the C-O bond $\sim 500 - 480 \text{ cm}^{-1}$. For Report 4 see RZhFiz, 1962, 4V152.

[Abstracter's note: Complete translation]

Card 2/2

SHUYKIN, N.I.; YAN AY-SI [Yang Ai-hsi]; ERIVANSKAYA, L.A.

Dehydrocyclization of 2-amylnaphthalenes in the presence of alumina-chromia catalysts and platinized carbon. Izv. AN SSSR. Ser.khim. no.7: 1284-1289 J1 '63. (MIRA 16:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Naphthalene) (Aromatization) (Catalysts)

SHUYKIN, N.I.; ERIVANSKAYA, L.A.; YAN AY-SI [Yang Ai-hsi]; ROMANOVA, L.P.

Catalytic dehydrocyclization of 2-n-oxylnaphthalene. Izv.AN
SSSR.Ser.khim. no.8:1469-1474 Ag '63. (MIRA 16:9)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova.
(Naphthalene) (Cyclization)

SEUTYKIN, N.I.; KHOFMAN, Kh.; PRIVANSKAYA, L.A.

Dehydrogenation of 1-methyl-1-cyclopentene in the presence of
oxide catalysts. Izv. AN.SSSR.Khim. no. 5:912-914 My '64.
(HIRA 17:6)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

SHUYKIN, N.I.; ERIVANSKAYA, L.A.

Catalytic synthesis of isomeric dimethylcyclohexanes on a base
of cresols. Neftekhimia 4 no.3:431-434 My-Je '64.

(MIRA 18:2)

1. Khimicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta.